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Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 73019  
Application ID: 10643811  
Title of Invention: Electronics Assembly With  
Arrangement for Air Cooling  
First Named Inventor: Sean Wrycraft  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2003-08-19  
Effective Receipt Date: 2004-11-23  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 4776  
Attorney Docket Number: 5681-70100



Total Fees Authorized:


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Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US  
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Comments



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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	10	5663868	1997-09-02	Stalley, et al.
	11	5944199	1999-08-31	Corisis, et al.
	12	6138347	2000-10-31	Persson, et al.
	13	6191928	2001-02-20	Rector, et al.
	14	6324075	2001-11-27	Unrein, et al.
	15	5838551	1998-11-17	Chan
	16	5864088	1999-01-26	Sato, et al.
	17	6031733	2000-02-29	Corisis, et al.
	18	6621708	2003-09-16	Sparkes, et al.
	19	5808876	1998-09-15	Mullenbach, et al.
	20	6325636	2001-12-04	Hipp, et al.
	21	6563706	2003-05-13	Strickler
	22	6219229	2001-04-17	Lee
	23	6700351	2004-03-04	Blair, et al.
	24	6590768	2003-07-08	Wiley
	25	6411526	2002-06-25	Nguyen, et al.
	26	5734558	1998-03-31	Poplawski, et al.
	27	6267606	2001-07-31	Poplawski, et al.
	28	6166900	2000-12-26	Flynn, et al.
	29	5975659	1999-11-02	Yang, et al.
	30	5884988	1999-03-22	Foo, et al.
	31	5593219	1997-01-14	Ho
	32	6388875	2002-05-14	Chen
	33	6075694	2000-06-13	Mills, et al.
	34	6480391	2002-11-12	Monson, et al.
	35	6442020	2002-08-27	Liu, et al.
	36	6088222	2000-07-11	Schmitt, et al.
	37	6256205	2001-07-03	Perry, et al.
	38	5124886	1992-06-23	Golobay
	39	6621711	2003-09-16	Haworth, et al.
	40	6227515	2001-05-08	Broyles
	41	2957668	1960-10-25	N. H. Norquist, et al.
	42	5100096	1992-03-31	Mizuno, et al.
	43	5333830	1994-08-02	Millen
	44	6129327	2000-10-10	Dubois
	45	5758855	1998-06-02	Jordan, et al.

	46	5996960	1999-12-07	Krajec
	47	5644991	1997-07-08	Prevot, et al.
	48	5189277	1993-02-23	Boisvert, et al.

Signature

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	13	6147862	2000-11-14	Ho
	14	6515854	2003-02-04	Claprood
	15	6572207	2003-06-03	Hase, et al.
	16	6327144	2001-12-04	May

## US Published Applications

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init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20040032722	2004-02-19	Wrycraft, et al.			
	2	20020126461	2002-09-12	Yazaki			
	3	20030227755	2003-12-11	Haworth			
	4	20030063454	2003-04-03	Wilson, et al.			
	5	20020112653	2002-08-22	Moore, et al.			
	6	20030226949	2003-12-11	Cain, et al.			
	7	20030227752	2003-12-11	Yair, et al.			
	8	20030226675	2003-12-11	Osborn, et al.			

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